

Recovery Plan Action Status

Plan Name: Kanab Ambersnail

Plan Status: Final

Plan Date: 12-Oct-95

Lead Agency: USFWS

Lead Office: Utah Ecological Services Field Office

(501)
975-3330)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Kanab ambersnail (Oxyloma haydeni kanabensis)	1	1	Ensure human-caused activities do not impact Kanab ambersnail on Federal lands	Ongoing Current	FY 1995 - FY 1999	FY 2008	U.S. Fish and Wildlife Service, Ecological Services Division, National Park Service, U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Refuge Division, Bureau Land Management , Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Management: Habitat Maintenance and Manipulation	Internal Technical Assistance	ongoing agency program in Grand Canyon
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	10	Acquire habitat on private lands	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, The Nature Conservancy, U.S. Fish and Wildlife Service, Refuge Division, USFWS Regional Office 6 - Denver	Acquisition: Other	Labor type not yet selected	
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	11	Protect subsurface waters and acquire and protect surface waters	Not Started			The Nature Conservancy, U.S. Fish and Wildlife Service, Refuge Division, USFWS Regional Office 6 - Denver	Work type not yet selected	Labor type not yet selected	
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	12	Establish a National Wildlife Refuge at Three Lakes	Not Started			The Nature Conservancy, U.S. Fish and Wildlife Service, Refuge Division, USFWS Regional Office 6 - Denver	Work type not yet selected	Labor type not yet selected	

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Kanab ambersnail (Oxyloma haydeni kanabensis)	2	13	Identify, delineate, and estimate size of existing populations	Ongoing Not Current	FY 1995 - FY 1999	FY 2007	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Research: Population Surveys	Internal Technical Assistance	only populations in Grand Canyon are being surveyed
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	14	Identify and survey potential habitat	Ongoing Current	FY 1995 - FY 1999	FY 2008	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, Bureau Land Management , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver, Navajo Nation	Research: Habitat Status	Internal Technical Assistance	yearly surveys at Vaseys Paradise in the Grand Canyon
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	15	Develop habitat maps of Three Lakes	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Utah Division of Wildlife Resources, USFWS Regional Office 6 - Denver	Work type not yet selected	Labor type not yet selected	
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	16	Develop habitat maps of Vasey's Paradise	Discontinued	FY 1995 - FY 1999	FY 2007	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque	Research: Habitat Status	Internal Technical Assistance	

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Kanab ambersnail (Oxyloma haydeni kanabensis)	2	17	Develop habitat maps of potential reintroduction sites	Discontinued			U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, Bureau Land Management , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver, Navajo Nation	Work type not yet selected	Labor type not yet selected	If identified
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	18	Establish a population study at Three Lakes	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Utah Division of Wildlife Resources, U.S. Fish and Wildlife Service, Refuge Division, USFWS Regional Office 6 - Denver	Work type not yet selected	Labor type not yet selected	
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	19	Establish population study at Kanab Canyon	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Utah Division of Wildlife Resources, USFWS Regional Office 6 - Denver	Work type not yet selected	Labor type not yet selected	If population still extant
Kanab ambersnail (Oxyloma haydeni kanabensis)	1	2	Assist willing land owners to manage occupied habitat of the Kanab ambersnail	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, U.S. Fish and Wildlife Service, Law Enforcement Division, The Nature Conservancy, Utah Division of Wildlife Resources, USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver, Navajo Nation	Work type not yet selected	Labor type not yet selected	Funding for landowners to accomplish specific activities cannot be determined until the activities are identified

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Kanab ambersnail (Oxyloma haydeni kanabensis)	2	20	Establish a population study at Vasey's Paradise	Discontinued	FY 1995 - FY 1999	FY 2007	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque	Research: Habitat Requirements	Internal Field Assistance	
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	21	Determine viable population parameters	Ongoing Current	FY 2006	FY 2008	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, U.S. Fish and Wildlife Service, Refuge Division, Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Research: Habitat Requirements	Species Expert	
Kanab ambersnail (Oxyloma haydeni kanabensis)	3	22	Develop and distribute printed educational material	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, U.S. Fish and Wildlife Service, Refuge Division, Bureau of Land Management , Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver, Navajo Nation	Other: Administration	Internal Technical Assistance	

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Kanab ambersnail (Oxyloma haydeni kanabensis)	3	23	Develop and distribute audio visual documentary	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, U.S. Fish and Wildlife Service, Refuge Division, Bureau Land Management , Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver, Navajo Nation	Work type not yet selected	Labor type not yet selected	
Kanab ambersnail (Oxyloma haydeni kanabensis)	1	3	Monitor populations of the Kanab ambersnail for current and potential threats	Ongoing Not Current	FY 1995 - FY 1999	FY 2007	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, U.S. Fish and Wildlife Service, Law Enforcement Division, Utah Division of Wildlife Resources, U.S. Fish and Wildlife Service, Refuge Division, Bureau Land Management , Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Research: Habitat Status	Internal Technical Assistance	

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Kanab ambersnail (Oxyloma haydeni kanabensis)	1	4	Determine phonology, behavior, and life history	Ongoing Not Current	FY 1995 - FY 1999	FY 2007	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Research: General	Internal Technical Assistance	
Kanab ambersnail (Oxyloma haydeni kanabensis)	1	5	Determine Kanab ambersnail density in relation to lower, middle, and upper Colorado River riparian zones at Vasey's Paradise	Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque	Research: Habitat Requirements	Internal Technical Assistance	
Kanab ambersnail (Oxyloma haydeni kanabensis)	1	6	Determine the species synecological relationships	Complete	FY 1995 - FY 1999	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, Bureau of Reclamation , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Research: General	Internal Technical Assistance	
Kanab ambersnail (Oxyloma haydeni kanabensis)	1	7	Determine the species genetic relationships	Ongoing Current	FY 1995 - FY 1999	FY 2008	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, Utah Division of Wildlife Resources, USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Research: Genetics	Species Expert	

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Kanab ambersnail (Oxyloma haydeni kanabensis)	1	8	Establish a captive breeding population	Discontinued	FY 1995 - FY 1999	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, Utah Division of Wildlife Resources, USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver	Research: General	Species Expert	pending 5 year review
Kanab ambersnail (Oxyloma haydeni kanabensis)	2	9	Establish formal land management designations and/or implement land management plans for all Kanab ambersnail populations	Complete	FY 2000 - FY 2004	FY 2000 - FY 2004	U.S. Fish and Wildlife Service, Ecological Services Division, Arizona Department of Game and Fish, National Park Service, Utah Division of Wildlife Resources, U.S. Fish and Wildlife Service, Refuge Division, Bureau Land Management , USFWS Regional Office 2 - Albuquerque, USFWS Regional Office 6 - Denver, Navajo Nation	Work type not yet selected	Labor type not yet selected	plans available for Vaseys Paradise pipulation only